



SHREC
Interreg Europe



European Union
European Regional
Development Fund

PIEMONTE REGION

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Piemonte Region: overview



- 4.6 M inhabitants
- 1.200 municipalities divided into 8 Provinces
- 43.5% mountain, 26.5% plain and 30% hill
- Per capita income is higher than national average and is about 28 k€
- Regional economy was formerly based on car industry, whereas nowadays is more on services, food industry and tourism

Piemonte Region: overview



Piemonte Region main Energy figures 2018

- **Primary energy consumptions:** 12 Mtoe, mainly based on natural gas
- **Final Energy Consumptions:** 10 Mtoe, by which 46.5% in building sector, 30.5% in Transport and 23% in industry
- Most of **energy savings** are envisaged in building sector and transport
- **Electricity production:** 30 TWh, from RES about 40%
- Share of **RES** in final energy is 18%
- Main **RES** are biomass and hydropower
- **CO2 emissions** have been reduced by about 20% from 1990
- Most important **environmental challenge** is air quality improvement

Piemonte Region Energy sector activities



- Energy planning
- Management of ERDF at regional level
- Promotion of energy efficiency and RES in the Region
- Management of EU projects
- Management of the Energy Performance Certificates system
- Check of the energy performance of heating boilers
- Territorial coordinator of CoM

In 2015 Piemonte Region has subscribed the Subnational Global Climate Leadership Memorandum of Understanding, - **Under 2 MOU** - committing itself to **reduce the greenhouse gas emission by 80-90% within the 2050**

Planning instruments

- **PEAR - Energy & Environment Regional Plan:** strategic guidelines, objectives and specific lines of interventions in the Energy field (first endorsement in December 2018, now being updated)



Main objectives



- **Promotion of RES production and use minimizing the use of fossil fuels**
- **Reduction of energy final consumption**
- **Promotion of a sustainable development of energy infrastructure**
- **Promotion of energy efficiency**
- **Promotion of Green Economy in Piemonte region**

PEAR 2030 main targets

- **30% of Energy consumption reduction:** from 10.6 Mtoe in 2015 to 6 Mtoe in 2030. Industry, public and private housing and transport sectors involved
- **28% of final consumes satisfied by RES:** from 1.9 Mtoe in 2015 to 2.4 in 2030 (+ 10% equally distributed between electricity and heating system)
- **24% of CO2 reduction** (referring to 2015)
- Support to **geothermal and eolic energy** + less biomass use (air pollution)
- Promote the **enhancement of district heating +RES** cogeneration
- Improve the **electricity interchange** with foreign Countries
- Promote the **Smart Grid** development



Promotion of Green Economy and R&I

Planning instruments

- **PRQA - Regional Plan for Protection of Air Quality:**
management, planning and control of atmospheric pollution



Main contents

- Identification of the **legislative framework**, the **territorial contest** and the **methodologies**
- Evaluation of **air quality**, **pollution sources** and **future scenarios**
- Identification of the **strategies and policies: several measures** (incentives, funding, promotion, research, etc.) in the following sectors: Transport, Agriculture, **Energy**, Industry, Urban renewal and Communication



Main Objective

Improvement of environmental conditions and protection of human health and the environment

EU project experience

- LP and PP of several EU projects

The last projects managed (2016-2019) have been:

- **2020Together** (IEE) - EPC and energy efficiency investments
- **Data4Action** (IEE) - Energy Observatory
- **PEACE_Alps** (Interreg ASP) - Technical assistance for SECAPs implementation (EUSEW18 Award winner)
- **STEPPING** (Interreg MED) - EPC and energy efficiency investments for public buildings (ending the 31st of October)

Running and New projects (2019 -):

- **PROSPECT2030** (Central Europe) – Public fund use and Energy planning
- **prePAIR** (LIFE) – Actions in Po valley and Slovenia to improve air quality

ERDF 2014/2020 - Allocation

- **193M€ on Axis IV – Sustainable Energy and quality of life**
- **97M€** - Reduction of energy consumption and emissions and integration of RES in **business sector**
- **96M€** - Reduction of energy consumption and integration of RES in **public assets** (building and public lighting). Several calls:
 - Municipalities ≤ 5.000 inhabitants
 - Municipalities ≥ 5.000 inhabitants
 - Public housing
 - Public health centers
 - Street lighting

ERDF 2014/2020 – First results

- Reduction of energy consumption and emissions and integration of RES in **business sector**

| Allocated | Applications nr. | Funded |
|-----------|------------------|--------|
| 96M€ | 171 | 77M€ |

- Reduction of energy consumption and integration of RES in **public assets** (building and public lighting). Several calls:

| Tipology | Allocated | Applications nr. | Funded | Funded nr. |
|-----------------------------|-------------|------------------|-----------|------------|
| Municipalities ≤ 5.000 inh. | 18,5M€ | 103 | 18,5M€ | 76 |
| Municipalities ≥ 5.000 inh. | 24M€ | 22 | 22,5M€ | 20 |
| Public housing | 10M€ | 5 | 8M€ | 5 |
| Public health centers | 16M€ | 5 | 13M€ | 5 |
| Street lighting | 16M€ | 145 | 16M€ | 133 |
| TOTAL | 84,5 | 280 | 78 | 239 |

Stakeholders to be involved in SHREC

- Environment Park, Energy Center and Polytechnic of Torino: provide knowledge and ideas
- IREN and other **energy utilities** (energy district heating and distribution): market players, promoters of investments
- **Local Authorities**: beneficiary of funds
- **Industrial Associations, Innovation Poles**: provide point of view, ideas



Influence decision making process, drive the innovation in regional energy field

Benefits from SHREC

- **Increase the Piemonte Region capacity and knowledge:** improve the **policy instruments** from the governance point of view
- Improve the **effectiveness of the use of funds**
- Introduce **innovative approaches and activities** for energy efficiency and RES promotion
- Develop **smart energy communities**
- Involve **energy consumers** as active players in planning activities



Knowledge exchange: learn from other region's best practices





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Thank you!

Questions welcome

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